

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016545.D
 Acq On : 05 Jun 2020 18:52
 Operator : SY/MD
 Sample : L2861-17
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 00:13:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 00:07:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	416751	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	384503	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	195832	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	125249	42.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.86%
7) Chloroethane-d5	1.56	69	88435	41.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.11	63	165012	31.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.08%
21) 2-Butanone-d5	3.89	46	192681	102.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.09%
24) Chloroform-d	4.37	84	244311	44.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.05	65	172449	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
32) Benzene-d6	5.07	84	497667	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
36) 1,2-Dichloropropane-d6	6.09	67	155710	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.04%
41) Toluene-d8	7.34	98	451084	48.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.44%
43) trans-1,3-Dichloropropene-	7.64	79	67247	43.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.00%
47) 2-Hexanone-d5	8.11	63	148673	108.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.17%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	210070	48.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	185531	50.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.82%

Target Compounds

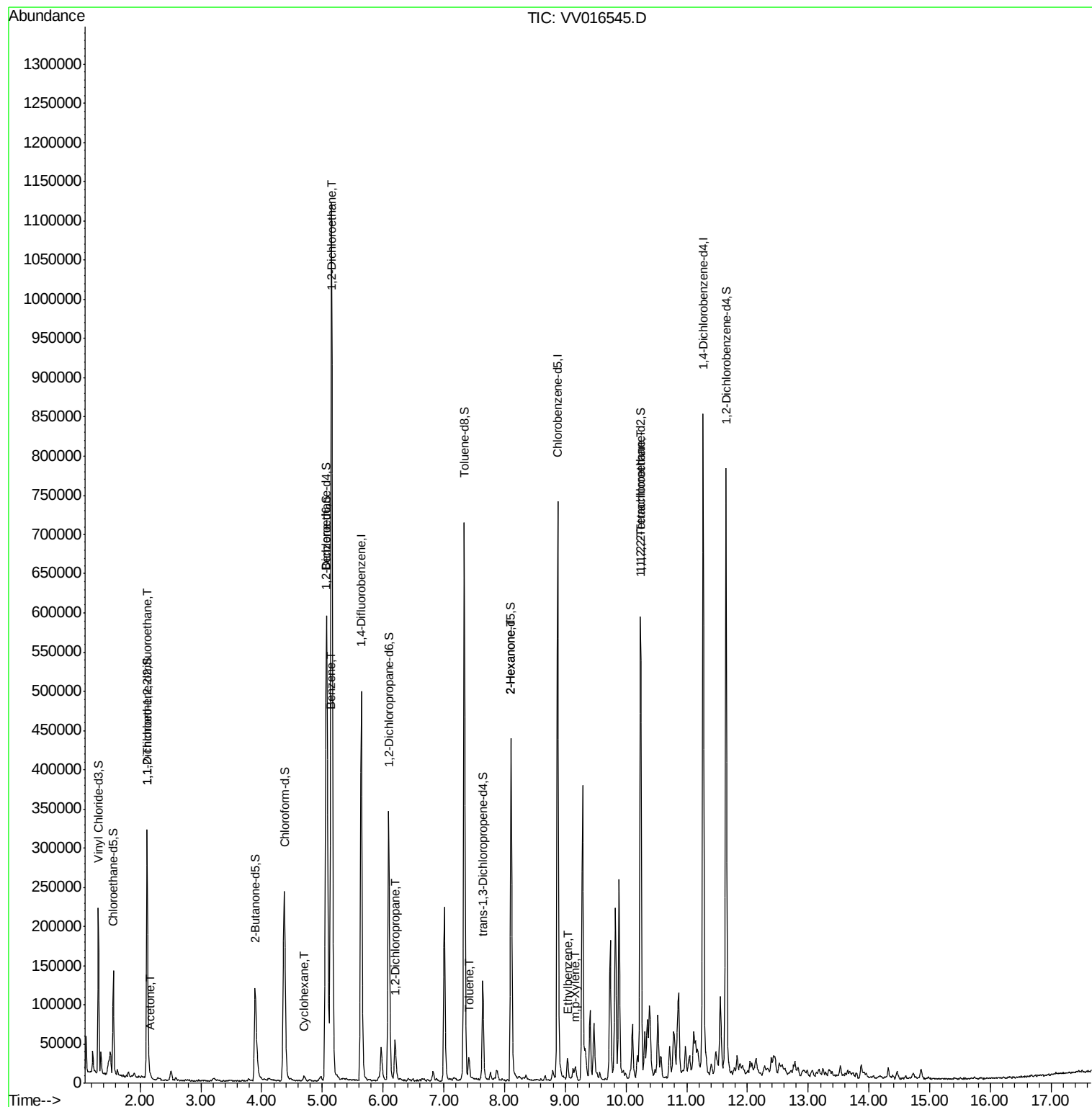
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1879	0.782	ug/L #	21
13) Acetone	2.17	43	4553	2.581	ug/L	84
27) 1,2-Dichloroethane	5.15	62	1011017	219.874	ug/L	100
29) Cyclohexane	4.70	56	3297	0.722	ug/L #	91
33) Benzene	5.12	78	53409	4.723	ug/L	100
37) 1,2-Dichloropropane	6.20	63	19188	6.510	ug/L #	97
42) Toluene	7.41	91	20502	1.711	ug/L	100
48) 2-Hexanone	8.11	43	17639	5.594	ug/L #	69
52) Ethylbenzene	9.04	91	19116	1.466	ug/L	96
53) m,p-Xylene	9.16	106	3606	0.733	ug/L	76
58) 1,1,2,2-Tetrachloroethane	10.25	83	5214	1.140	ug/L #	76

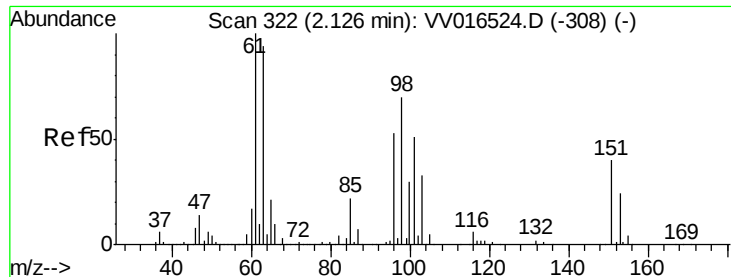
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.782 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016545.D

Acq: 05 Jun 2020 18:52

Instrument :

MSVOA_V

ClientSampleId :

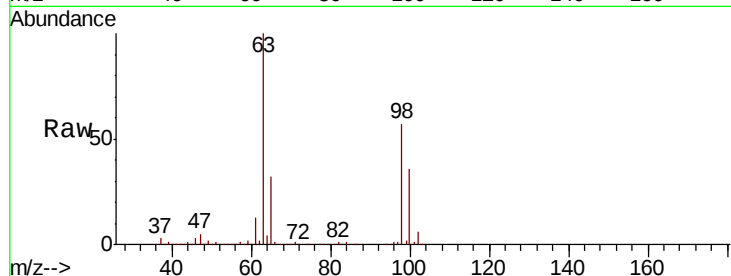
Tot Ion:101 Resp: 1879

Ion Ratio Lower Upper

101 100

85 5.3 35.6 53.4#

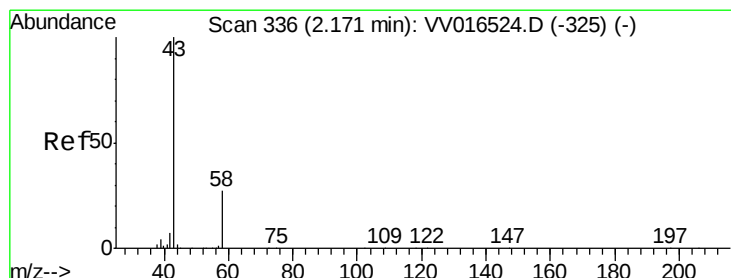
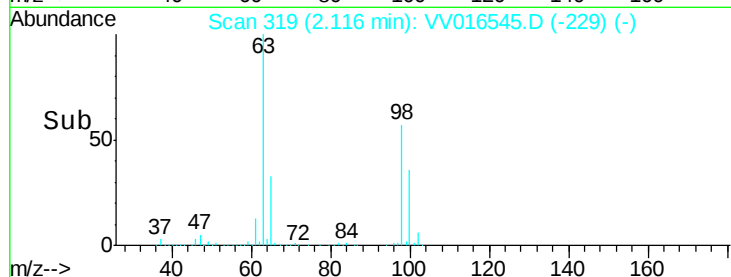
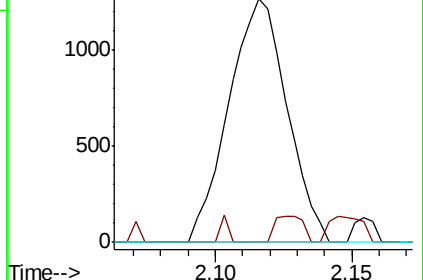
151 0.0 61.8 92.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.581 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016545.D

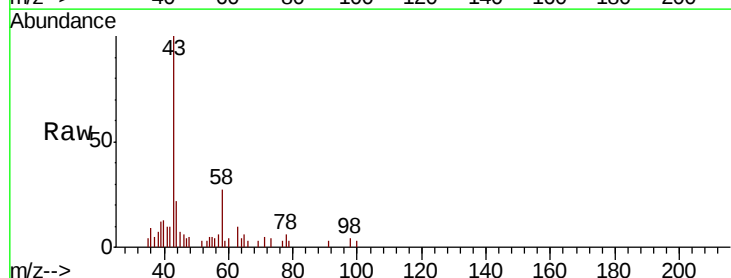
Acq: 05 Jun 2020 18:52

Tgt Ion: 43 Resp: 4553

Ion Ratio Lower Upper

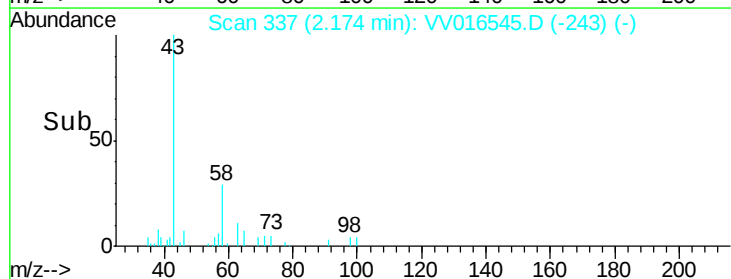
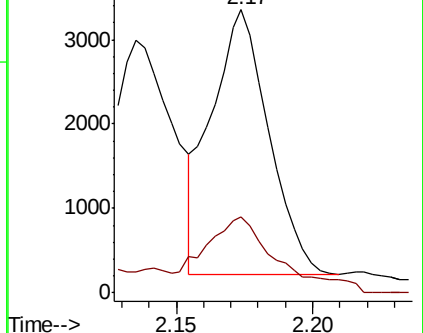
43 100

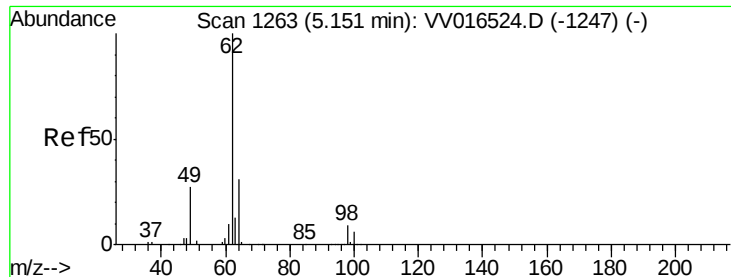
58 37.3 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#27

1,2-Dichloroethane

Concen: 219.874 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV016545.D

Acq: 05 Jun 2020 18:52

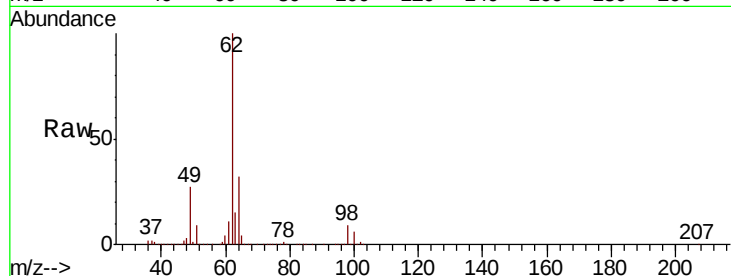
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 1011017

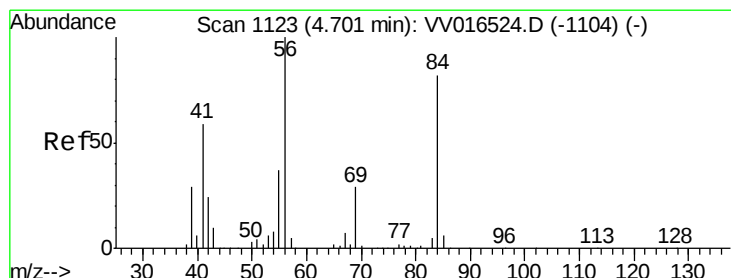
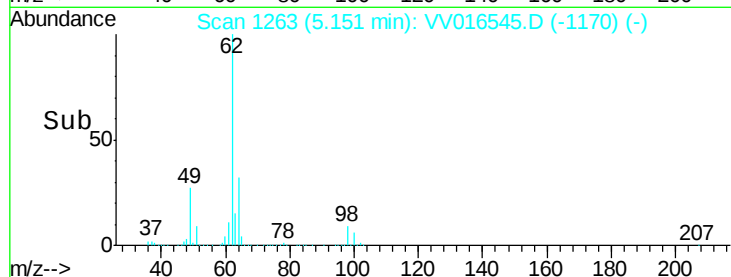
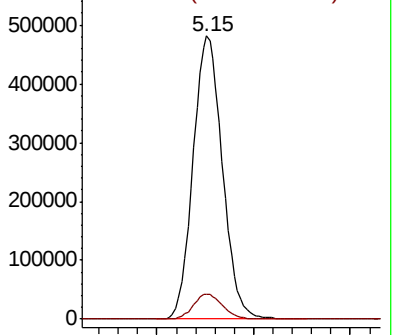
Ion Ratio Lower Upper

62 100

98 8.8 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 0.722 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV016545.D

Acq: 05 Jun 2020 18:52

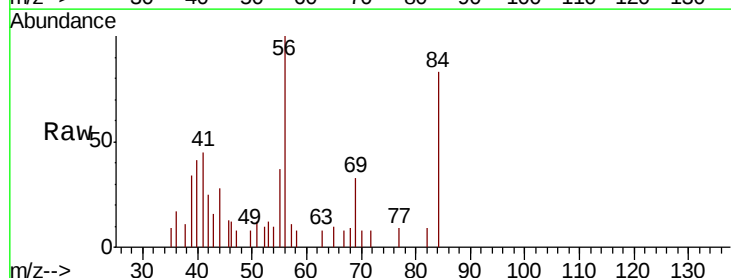
Tgt Ion: 56 Resp: 3297

Ion Ratio Lower Upper

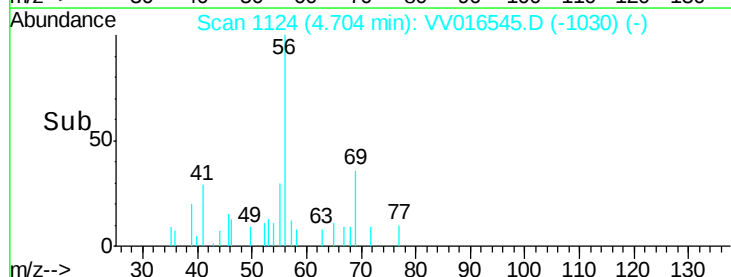
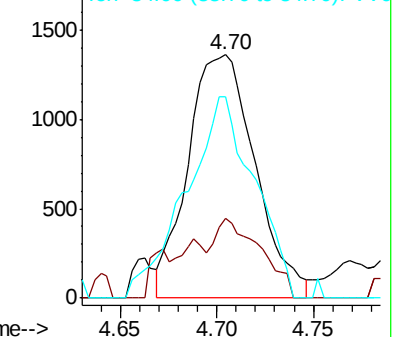
56 100

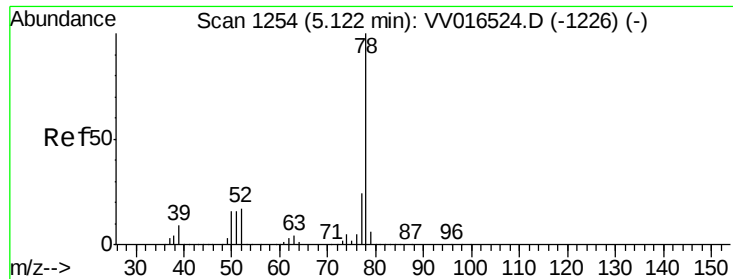
69 13.4 23.9 35.9#

84 84.2 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0





#33

Benzene

Concen: 4.723 ug/L

RT: 5.12 min Scan# 1254

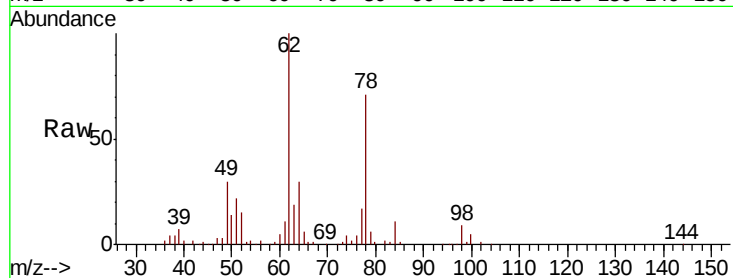
Delta R.T. -0.00 min

Lab File: VV016545.D

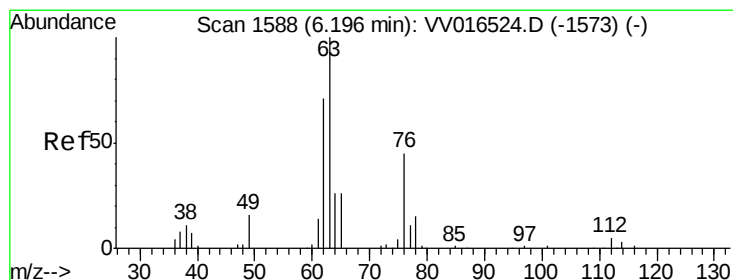
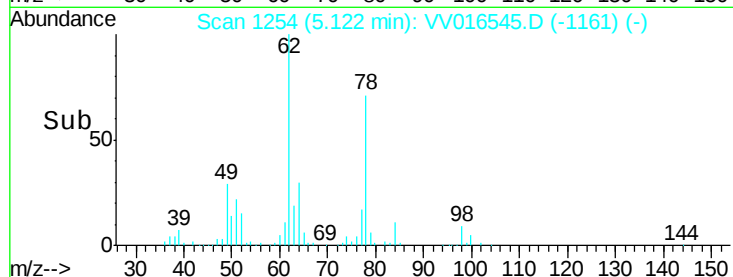
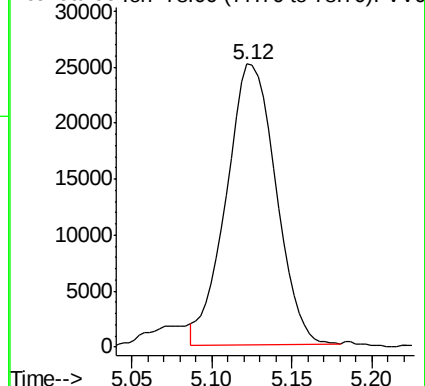
Acq: 05 Jun 2020 18:52

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 53409



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 6.510 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV016545.D

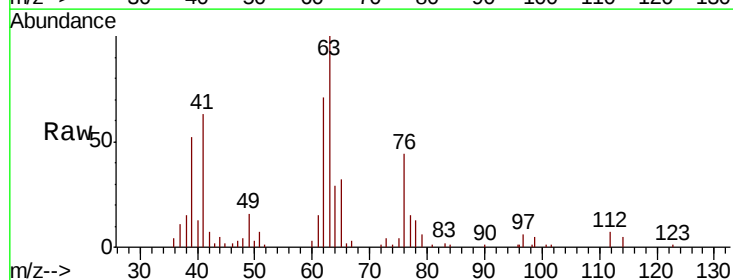
Acq: 05 Jun 2020 18:52

Tgt Ion: 63 Resp: 19188

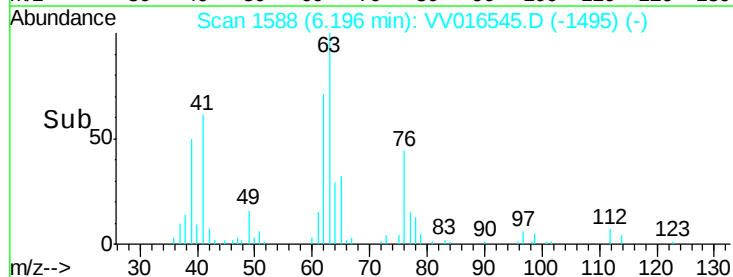
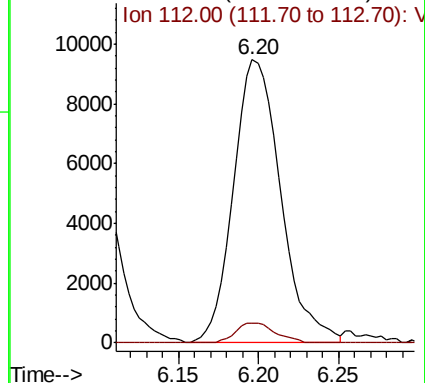
Ion Ratio Lower Upper

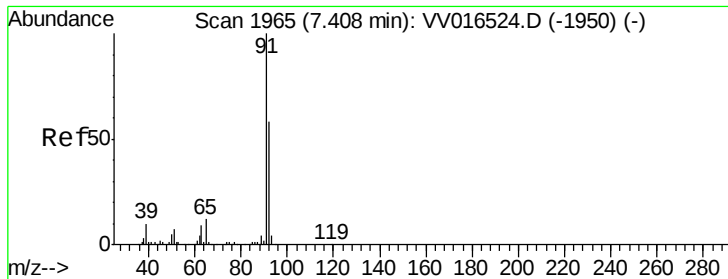
63 100

112 6.0 3.9 5.9#



Abundance Ion 63.00 (62.70 to 63.70): VV0





#42

Toluene

Concen: 1.711 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016545.D

Acq: 05 Jun 2020 18:52

Instrument :

MSVOA_V

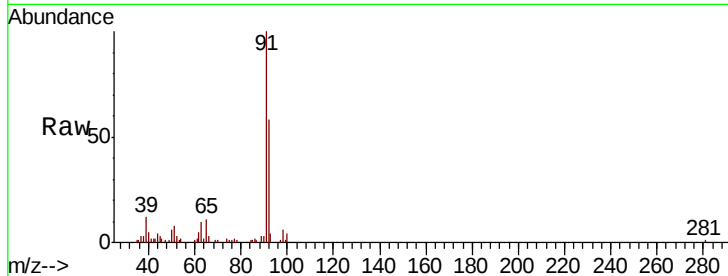
ClientSampleId :

Tot Ion: 91 Resp: 20502

Ion Ratio Lower Upper

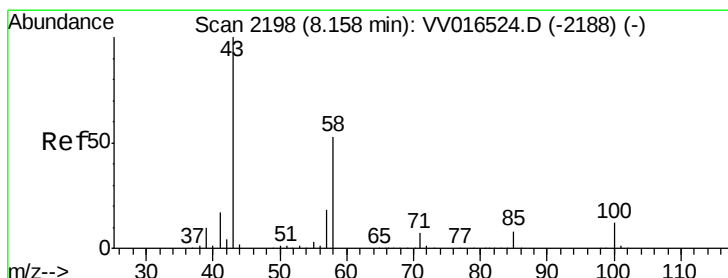
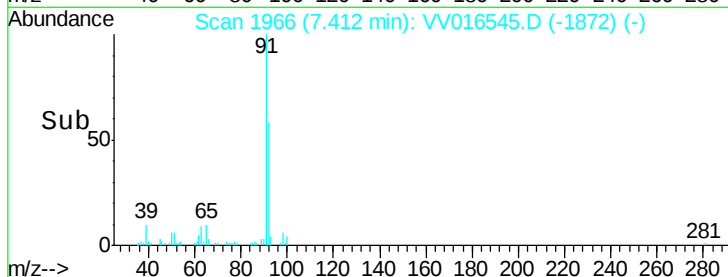
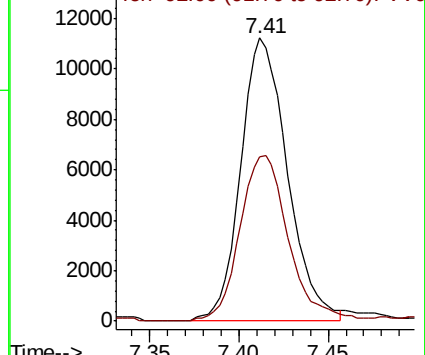
91 100

92 58.1 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#48

2-Hexanone

Concen: 5.594 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV016545.D

Acq: 05 Jun 2020 18:52

Tgt Ion: 43 Resp: 17639

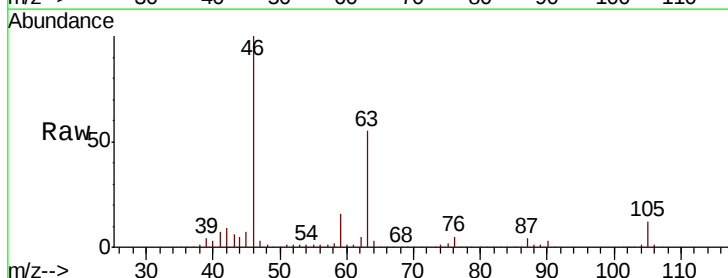
Ion Ratio Lower Upper

43 100

58 26.7 42.7 64.1#

57 23.5 14.5 21.7#

100 0.2 9.4 14.2#

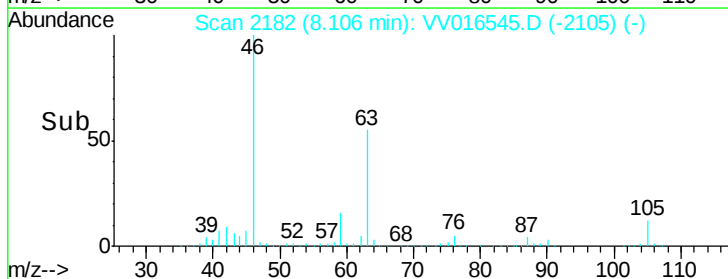
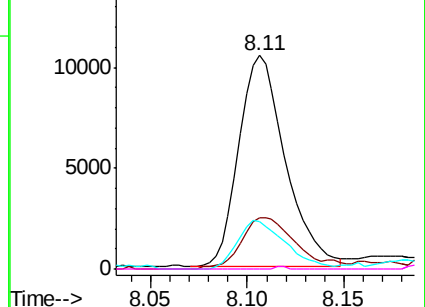


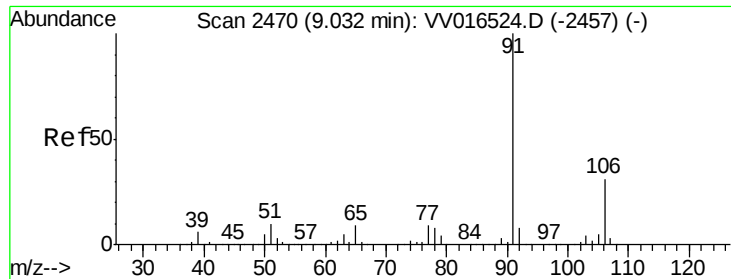
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#52

Ethylbenzene

Concen: 1.466 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016545.D

Acq: 05 Jun 2020 18:52

Instrument :

MSVOA_V

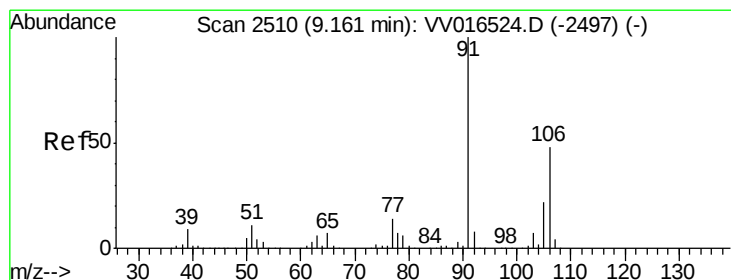
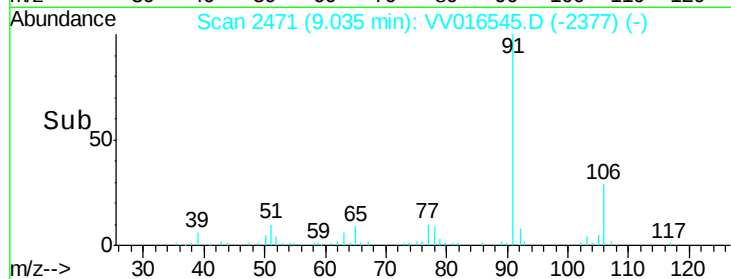
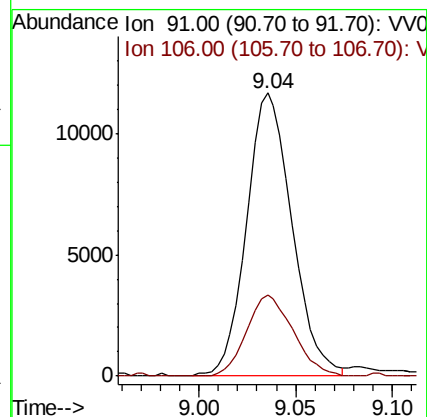
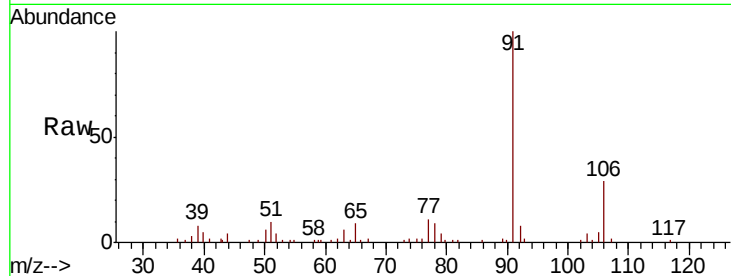
ClientSampled :

Tot Ion: 91 Resp: 19116

Ion Ratio Lower Upper

91 100

106 28.6 21.8 40.4



#53

m,p-Xylene

Concen: 0.733 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016545.D

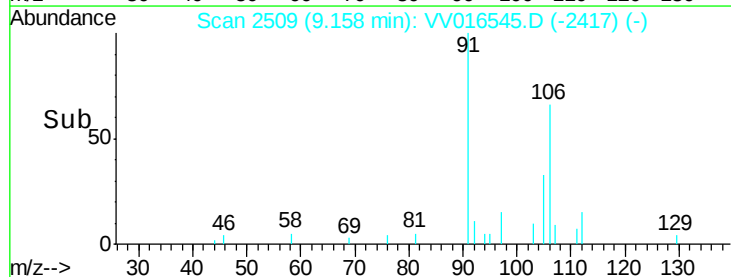
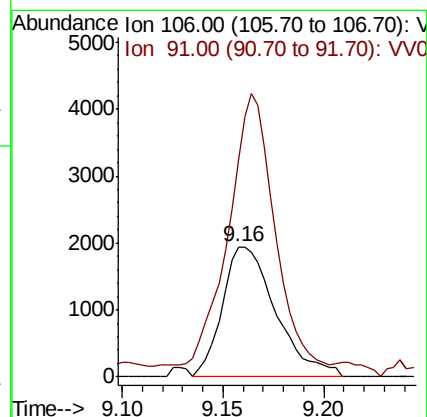
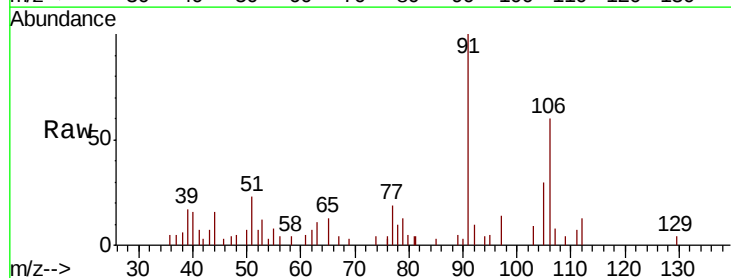
Acq: 05 Jun 2020 18:52

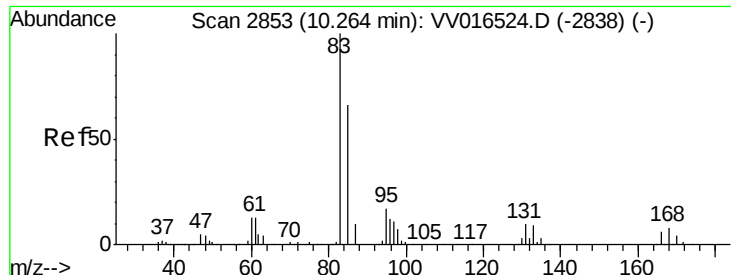
Tgt Ion: 106 Resp: 3606

Ion Ratio Lower Upper

106 100

91 166.5 142.5 264.6





#58

1,1,2,2-Tetrachloroethane

Concen: 1.140 ug/L

RT: 10.25 min Scan# 2849

Delta R.T. -0.01 min

Lab File: VV016545.D

Acq: 05 Jun 2020 18:52

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 83 Resp: 5214

Ion Ratio Lower Upper

83 100

85 51.7 44.0 81.6

131 40.7 7.6 11.4#

